

## CLAIMS:

1. A remote control system comprising a transmitter (1) and a receiver (2), which transmitter (1) comprises - a transmitter oscillating-amplifying circuit (12) comprising a surface-acoustic-wave-resonator (42); and - a transmitter antenna (13) coupled to the transmitter oscillating-amplifying circuit (12); and which receiver (2) comprises - a receiver antenna (21) coupled to a receiver amplifying circuit (23) and to a first inductor (54); - a receiver oscillating-filtering circuit (24) coupled to the receiver amplifying circuit (23) and comprising a second inductor (79); and - a receiver amplifying-shaping circuit (27) coupled to the receiver oscillating-filtering circuit (24) via a receiver filtering circuit (26); with at least one of these inductors (54,79) being variable for aligning the receiver (2).
2. A remote control system as defined in claim 1, wherein the receiver oscillating-filtering circuit (24) comprises a first transistor (74) of which first transistor (74) a first main electrode is coupled to the receiver filtering circuit (26) and to a first capacitor (76) and to a side of a second capacitor (77) and of which first transistor (74) a second main electrode is coupled to the receiver amplifying circuit (23) and to an other side of the second capacitor (77) and to the second inductor (79).
3. A remote control system as defined in claim 2, wherein the first inductor (54) is coupled to a third capacitor (53) in parallel and the second inductor (79) is coupled to a fourth capacitor (78) in parallel.
4. A remote control system as defined in claim 3, wherein the second inductor (79) is further coupled to a receiver ripple rejecting circuit (25) comprising a second transistor (94) of which second transistor (94) a first main electrode is coupled to the second inductor (79) via a first resistor (80) and to a first reference terminal via a

fifth capacitor (95) and of which second transistor (94) a second main electrode is coupled to a second reference terminal (91) and of which second transistor (94) a control electrode is coupled to a sixth capacitor (93) and to the second reference terminal (91) via a second resistor (92).

5

5. A remote control system as defined in claim 4, wherein the receiver amplifying circuit (23) comprises a third (67) and a fourth (66) transistor, with a first main electrode of the third transistor (67) being coupled to the first reference terminal via a parallel circuit of a third resistor (68) and a seventh capacitor (69), with a second main electrode of the third transistor (67) being coupled to a first main electrode of the fourth transistor (66), with a second main electrode of the fourth transistor (66) being coupled to the first main electrode of the second transistor (94) via a fourth resistor (65) and to the second main electrode of the first transistor (74), and with a control electrode of the third transistor (67) being coupled to the receiver antenna (21) and to the first inductor (54).

6. A remote control system as defined in claim 5, wherein the receiver filtering circuit (26) comprises a third inductor (101) coupled to the first main electrode of the first transistor (74) and further coupled to a parallel circuit of fifth resistor (102) and an eighth capacitor (103) and to a nineth capacitor (105) via a sixth resistor (104), which parallel circuit and which nineth capacitor (105) are further coupled to the first reference terminal.

7. A remote control system as defined in claim 6, wherein the receiver amplifying-shaping circuit (27) comprises a fifth (114), sixth (117), seventh (118) and eighth (123) transistor, with a control electrode of the fifth transistor (114) being coupled to the ninth capacitor (105) and with a second main electrode of the fifth transistor (114) being coupled to the second reference terminal (91) via a seventh resistor (113) and to a control electrode of the sixth transistor (117) via an eighth resistor (115) and to a control electrode of the seventh transistor (118) via a ninth resistor (120), and with a second main electrode of the seventh transistor (118) being coupled to a control electrode of the eighth transistor (123) and to the first reference

terminal via a tenth resistor (119), and with a second main electrode of the eighth transistor (123) constituting a data output (124) of the receiver (2) and being coupled to the second reference terminal (91) via an eleventh resistor (122).

5    8.         A remote control system as defined in claim 7, wherein the transmitter oscillating-amplifying circuit (12) comprises a ninth transistor (46) of which ninth transistor (46) a control electrode is coupled to the surface-acoustic-wave-resonator (42) via a tenth capacitor (41) and to a transmitter input circuit (11) comprising a fourth inductor (32) and of which ninth transistor (46) a first main electrode is coupled to the  
10      first reference terminal via a serial circuit of a twelfth resistor (47) and a fifth inductor (48) and of which ninth transistor (46) a second main electrode is coupled to the transmitter antenna (13).

9.         A remote control system as defined in claim 1, wherein the remote  
15      control system is ceramic-resonatorless, with the receiver (2) being surface-acoustic- wave-resonatorless.

10.        A remote control system as defined in claim 1, wherein each antenna (13,21) comprises a printed antenna for shorter ranges and/or a non-printed antenna for  
20      longer ranges.

11.        A remote control system as defined in claim 1, wherein the transmitter (1) is adapted to perform an amplitude shift keying modulation and the receiver (2) is adapted to perform an amplitude shift keying demodulation.

25  
12.        A transmitter (1) for use in a remote control system comprising the transmitter (1) and a receiver (2), which transmitter comprises - a transmitter oscillating-amplifying circuit (12) comprising a surface-acoustic-wave-resonator (42); and - a transmitter antenna (13) coupled to the transmitter oscillating-amplifying circuit  
30      (12).

13. A receiver (2) for use in a remote control system comprising a transmitter (1) and the receiver (2), which receiver (1) comprises - a receiver antenna (21) coupled to a receiver amplifying circuit (23) and to a first inductor (54); - a receiver oscillating-filtering circuit (24) coupled to the receiver amplifying circuit (23) and comprising a second inductor (79); and - a receiver amplifying-shaping circuit (27) coupled to the receiver oscillating-filtering circuit (24) via a receiver filtering circuit (26); - with at least one of these inductors (54,79) being variable for aligning the receiver (2).

10

14. A method for use in combination with a remote control system comprising a transmitter (1) and a receiver (2), which transmitter (1) comprises - a transmitter oscillating-amplifying circuit (12) comprising a surface-acoustic-wave-resonator (42); and - a transmitter antenna (13) coupled to the transmitter oscillating-amplifying circuit (12); and which receiver (2) comprises - a receiver antenna (21) coupled to a receiver amplifying circuit (23) and to a first inductor (54); - a receiver oscillating-filtering circuit (24) coupled to the receiver amplifying circuit (23) and comprising a second inductor (79); and - a receiver amplifying-shaping circuit (27) coupled to the receiver oscillating-filtering circuit (24) via a receiver filtering circuit (26); with at least one of these inductors (54,79) being variable, and which method comprises the step of aligning the receiver (2) through varying at least one of these inductors (54,79).